9th Class 2018	
Math (Science)	Group-I
Time: 20 Minutes	(Objective Type) Max Maxi
TOTAL TOUR POSSIBLE ANSWERS A R C. T. C.	
question are given. The choice which	
correct, illi that circle in front of that you this	
question are given. The choice which you think correct, fill that circle in front of that question Marker or Pen ink in the answer-book. Cutting filling two or more circles will result in zero mark that question.	
that question.	Zero man
1-1- H.C.F of a ³ + b ³ and a ² - ab + b ² is:	
(a) a + b	(b) $a^2 - ab + b^2 $
(c) a - b	
2- If $(x, 0) = (0, y)$,	(d) $a^2 + b^2$
(a) (0, 1)	(b) (1 0)
(c) (0, 0) 1/	(b) (1, 0)
3- Medians of a triangle are:	
(a) Parallel	The state of the s
(c) Concurrent	(b) Equal
4- The medians o	√ (d) Non-concurrent
ratio: (a) 4:1	f a triangle cut each other in
(a) 4:1	(b) 3:1
. (c) 2:1 v	(1)
5- The bisectors of	(d) 1:1 f the angles of a triangle are (b) Non-celling
(a) Collinear	the angles of a triangle are
(c) Non-concur	(b) Non-collinear
0- If X + 1 -2	= \begin{aligned} (d) Concurrent \(\) = \begin{aligned} 1 & 0 \\ 0 & 1 \end{aligned}, \text{ then X is equal to:} \end{aligned}
[2 2]	[0 1], then X is equal to:
'-' 2 n	(b) $\begin{bmatrix} 0 & 2 \\ 2 & 2 \end{bmatrix}$
[2 0]	(0) 2 2
(c) $\begin{bmatrix} 2 & 0 \\ 0 & 2 \end{bmatrix}$	(d) $\begin{bmatrix} 2 & 2 \\ 0 & 2 \end{bmatrix} \sqrt{}$
2 2	(u) L0 2 1

The value of $\log \left(\frac{P}{q} \right)$ is ----:

- (a) $\log p \log q \sqrt{(b)} \frac{\log p}{\log q}$
- (c) $\log p + \log q$ (d) $\log q \log p$

Factors of $3x^2 - x - 2$ are ----:

- (a) (x + 1), (3x 2) (b) (x + 1), (3x + 2)
- (c) (x-1), (3x-2) (d) (x-1), (3x+2) $\sqrt{}$

Mid-point of the points (0, 0) and (2, 2) is:

- (a) (1, 1) 1
 - (b) (1, 0)

(c) (0, 1)

(d) (-1, -1)

Symbol used for congruent is ----:

(a) =

(b) $\cong \sqrt{}$

(c) ~

 $(d) \leftrightarrow$

A ray has ---- end points:

 $(a) \cdot 2$

(b) 1 √

(c) 3

(d) 4

Write 42/3 with radical sign:

- (a) $\sqrt[3]{4^2} \sqrt{1}$
- (b) $\sqrt{4^3}$

(c) $2\sqrt{4^3}$

(d) $\sqrt{4^6}$

Triangles on equal bases and of equal altitudes are ---- in area:

- (a) Same
- (b) Equal 1
- (c) Unequal
- (d) Similar

14- $\frac{1}{a-b}$ - $\frac{1}{a+b}$ is equal to:

- (a) $\frac{2a}{a^2 b^2}$
- (b) $\frac{2b}{a^2 h^2} \sqrt{ }$
- (c) $\frac{-2a}{a^2 h^2}$
- (d) $\frac{-2b}{a^2 h^2}$

If x is no larger than 10, then ----: 15-

(a) x≥8

- (b) $x \le 10$
- (c) x < 10 √
- (d) x > 10